|   | Index of Claims Ap  |          |            |            |        |           |           |                     |             |           |          |           |          | Ар         | Application No. |                    |          |         |               |           |                |            |               |            | Applicant(s) |           |          |         |           |                   |               |    |  |
|---|---|----------|------------|------------|--------|-----------|-----------|---------------------|-------------|-----------|----------|-----------|----------|------------|-----------------|--------------------|----------|---------|---------------|-----------|----------------|------------|---------------|------------|--------------|-----------|----------|---------|-----------|-------------------|---------------|----|--|
|   | A MATRICA POLICI COLLA ANSA CICAN ALTAN ANDA CICAN ALTAN DA C |          |            |            |        |           |           |                     |             |           |          |           |          | 10/644,564 |                 |                    |          |         |               |           |                |            |               |            | GADDE ET AL. |           |          |         |           |                   |               |    |  |
|   |   |          |            |            |        |           |           |                     |             |           |          |           |          | Examiner   |                 |                    |          |         |               |           |                |            |               |            | Art Unit     |           |          |         |           |                   |               |    |  |
|   |   |          |            |            |        |           |           |                     |             |           |          |           | •        |            |                 |                    |          |         |               |           |                |            |               |            |              |           |          | 1       |           |                   |               |    |  |
| Transfer and and a true control and a state and |   |          |            |            |        |           |           |                     |             |           |          |           |          | Ted_Kim    |                 |                    |          |         |               |           |                |            |               | 37         | 46           |           |          |         | J         |                   |               |    |  |
| (Through numeral)                               |   |          |            |            |        |           |           |                     |             |           |          |           |          |            |                 |                    |          |         |               |           |                |            | $\overline{}$ |            |              |           |          | _       |           |                   |               |    |  |
|   |   |          | <b> </b>   | Reje       | ect    | ed        |           | -                   | -           | - (       | Γhi      | rou       | gh n     | um         | ега             | nal)               |          |         | , l           | Non-Elect |                |            | ed            |            | A            | Appeal    |          |         |           |                   |               |    |  |
|   | 1-1   |          |            |            |        |           |           | ŀ                   | <del></del> |           |          | Cancelled |          |            |                 | $\dashv$           |          | 1       | 1             |           |                |            |               |            |              |           |          |         | $\dashv$  |                   |               |    |  |
|   | = Allowed   |          |            |            |        |           | 1         | ١.                  | Restricted  |           |          |           |          | l          |                 |                    |          | 1       | Interferen    |           |                | СӨ         |               | 0          |              | Objected  |          |         |           | •                 | ٠             |    |  |
|   | lL  |          |            |            |        |           |           |                     |             |           |          |           |          |            |                 |                    | ١        | L       |               |           |                |            | لــــ         | !          | Ш            | <u> </u>  |          |         |           |                   |               |    |  |
|   | Cla   | im       |            | Date       |        |           |           | _                   |             |           |          | Claim     |          |            |                 |                    | De       | Date    |               |           |                |            | Cla           | Claim      |              |           | Date     |         |           |                   |               |    |  |
|   |   | -E       | 10         | 3          | Τ      | अवि       | T         | Т                   | T           |           | Γ        | _ [       | al       | Ī          | T               | T                  | Т        | Т       | T             | Т         | $\prod$        |            |               |            |              | П         | Т        | T       |           | П                 |               |    |  |
|   | Final   | Original | F1215      | 3 17 0     | 7      | 2         | l         | ١                   | 1           |           | 1        | Final     | Original |            | ١               |                    | ı        | l       |               |           |                | . :        | Final         | Original   | ١.           |           | ł        |         |           | П                 |               |    |  |
| •   | "   | õ        | W.         | 0          | 3      | 100       | 1         | -                   |             | Ι.        | 1        | ٦         | Ō        |            |                 |                    |          |         |               |           |                |            | •             | Õ          |              |           |          |         | ŀ         |                   |               |    |  |
|   |   | (1)      | Z          |            | I      | П         | $\Box$    | $\downarrow$        | 1           | Π.        |          | $\Box$    | 51       |            | 1               | 1                  | Ţ        | I       | I             | $\perp$   | $\Box$         | <br>;      |               | 101        | П            |           | $\bot$   | I       | $\Box$    | П                 |               |    |  |
|   |   | <u>P</u> | H          |            | ╀      | ┼┽        | +         | +                   | +           | 4         | ŀ        |           | 52<br>53 |            | $\dashv$        | +                  | +        | ╀       | ╄             | +         | Н              | ٠.         |               | 102<br>103 | H            | $\dashv$  | +        | ╁       | ┿         | $\vdash$          |               |    |  |
|   | <u> </u>  | *        | Н          | -          | +      | $\forall$ | $\forall$ | 1                   | +           | ┨.:       | ŀ        |           | 54       |            | 1               | $\perp$            | $\perp$  | †       | T             | $\perp$   | П              | :          |               | 104        |              |           | 士        | 1       |           |                   |               |    |  |
|   |   | 5        | П          | $\Box$     | Τ      | $\Box$    | $\Box$    | $\Box$              | 4           | ٦.        | F        |           | 55       |            | $\Box$          | $\bot$             | 1        | $\bot$  | Ŧ             | T         | П              |            |               | 105        |              |           | $\bot$   | Ţ       | 1         |                   |               |    |  |
|   |   | 6<br>7.  | ₩          | ╁          | ╁      | ╁┼        | +         | +                   | +           |           | ╁        | -         | 56<br>57 | Н          | $\dashv$        | +                  | +        | ╁       | +             | ╁╴        | Н              | : :        |               | 106<br>107 |              | $\vdash$  | 十        | +       | ╁         | ╁┤                | +             |    |  |
|   |   | В        | H          |            | 土      | $\Box$    | $\perp$   | 1                   | 1           |           | t        |           | 58       |            | 1               | 1                  | İ        | İ       | İ             |           | 口              | :::        |               | 108        |              |           |          | 士       |           |                   |               |    |  |
|   |   | <u> </u> | $\prod$    | 7          | -      | =         | 4         | 4                   | 4           |           |          | _         | 59       |            | 4               | $\perp$            | 4        | 4       | +             | 4         | $\vdash$       |            | _             | 109<br>110 | 1            | $\sqcup$  | +        | +       | ╄         | ╀                 |               |    |  |
|   |   | 10       | Н          | 1          |        | =         | +         | ╅                   | +           | -         | ŀ        |           | 60<br>61 | Н          | $\dashv$        | $\dashv$           | +        | +       | +             | ╫         | H              |            | ┝             | 111        | ╁            | $\vdash$  | $\dashv$ | +       | +         | Н                 | $\neg \vdash$ |    |  |
|   |   | 12       | ഥ          |            | İ      |           |           |                     | _           |           | t        |           | 62       |            | コ               | $\Box$             |          | 工       | 工             |           | 口              |            |               | 112        |              |           |          | #       |           | 口                 |               |    |  |
|   | <u> </u>  | 13       | $\coprod$  | 1          | _      | =         | -         | $\downarrow$        | 4           | -4:       | -        |           | 63<br>64 | Н          | -               | -                  | +        | +       | +             | +         | ┦┤             |            |               | 113<br>114 | ╁-           |           | +        | +-      | -         | $\dashv$          | -             | 1  |  |
|   |   | 14       | ╫          | L          |        | 11 11     | ┪         | +                   | +           | ۲.        | ŀ        |           | 65       | Н          | ᅥ               | +                  | +        | +       | +             | +         | Н              |            |               | 115        | †-           | Н         | $\dashv$ | +       | +         | 1-1               |               | 1  |  |
|   |   | 16       |            |            |        |           |           | コ                   |             |           |          |           | 66       |            | $\Box$          | $\exists$          | $\perp$  | 1       | 1             | 工         |                |            |               | 116        | Т            | П         | $\Box$   | $\bot$  | I         | $\Box$            |               | ]  |  |
|   |   | 17       | V          | 1          | 4      | =         | -         | 4                   | -           | $\dashv$  | -        |           | 67<br>68 | Н          | $\dashv$        | +                  | +        | +       | +             | +-        | $\vdash\vdash$ |            |               | 117<br>118 |              | $\vdash$  | $\dashv$ | +       | +-        | ╀┤                |               | 1  |  |
|   | <del> </del>  | 19       | ╁          | ++         | 十      | $\forall$ | -         | 十                   | 7           | - ;       | .:.}     |           | 69       | Н          | $\dashv$        | +                  | +        | 1       | $\dagger$     | T         | $\Box$         |            |               | 119        |              |           |          | 土       | 士         |                   | 工             | 1  |  |
|   |   | 20       |            |            | Ţ      |           |           |                     | $\Box$      | ].        |          |           | 70       |            |                 | $\dashv$           | $\Box$   | $\perp$ | Ţ             | $\perp$   |                |            |               | 120        |              | Ш         | $\perp$  | +       | -         | $\sqcup$          | - -           | ł  |  |
|   | -   | 21       | ╀          | -          | +-     | ╂╫        |           | +                   | $\dashv$    | -         | <u>.</u> |           | 71<br>72 | $\vdash$   |                 | $\dashv$           | +        | +       |               | - -       | ╁╌             | : : :      |               | 121<br>122 |              | Н         | $\dashv$ | +       | ╁         | ╁┤                | +             | ł  |  |
|   |   | 23       | t          |            | $\pm$  |           |           |                     |             |           | t        |           | 73       |            |                 |                    |          | 土       | 1             |           |                |            |               | 123        | I            |           |          |         |           | $\Box$            |               | 1. |  |
|   |   | 24       | lacksquare | П          | Ţ      | $\Box$    | $\neg$    | 4                   | 4           | 4         | [        |           | 74<br>75 | Н          | $\dashv$        | _                  | +        | 4       | +             | +         | +              | : ::       |               | 124<br>125 |              | $\vdash$  | -        | +       | +         | $\dashv$          |               |    |  |
|   |   | 25<br>26 | ╁          | ╁┼         | ╫      | +         | $\dashv$  | +                   | ᅥ           | -         | :        |           | 76       | H          | $\dashv$        | $\dashv$           | 十        | +       | +             | +-        | $\vdash$       |            | -             | 126        |              | H         | -        | +       | +         | $\dagger \exists$ | _             | •  |  |
|   |   | 27       |            |            |        |           | $\Box$    |                     |             | ゴ         |          |           | 77       |            |                 |                    | $\perp$  | 1       |               | 1         |                |            |               | 127        |              | П         | $\Box$   | $\perp$ | $\perp$   | П                 |               |    |  |
|   | <u> </u>  | 28<br>29 | L          | $\vdash$   | +      | +         |           | - -                 | İ           | - 1       | -        |           | 78<br>79 | -          |                 | +                  | +        | +       | +             | +-        | $\vdash$       | ŀ <i>.</i> | <u> </u>      | 128<br>129 | +            | ╀┤        | $\dashv$ | +       | +         | ╁╌╏               |               | ł  |  |
|   | $\vdash$  | 30       | 十          | $\vdash$   | +      | +         | +         | 7                   | ᅥ           | $\dashv$  | ŀ        |           | 80       | $\vdash$   | $\dashv$        | 1                  | 1        | 1       | $\dagger$     | 士         |                | :          |               | 130        |              | $\Box$    |          | $\pm$   |           |                   |               | i  |  |
|   |   | 31       |            |            | I      | П         | $\Box$    | $\Box$              |             | 4         | F        |           | 81       | L          |                 | 4                  | 4        | 4       | 4             | $\perp$   | $\vdash$       |            |               | 131        | L            | $\Box$    | $\dashv$ | $\bot$  | 1         | Н                 | 4             |    |  |
|   |   | 32       |            | -          | +      | ╂╌        | -         | +                   | $\dashv$    | -(        | 1        |           | 82<br>83 | -          | $\dashv$        | $\dashv$           | $\dashv$ | +       | ╁             | +         | $\vdash$       | :          | -             | 132<br>133 |              | H         | $\dashv$ | ╀       | ┿         | ╂╢                |               | ł  |  |
|   |   | 34       | T          | H          | +      |           |           | T                   |             |           | ŀ        |           | 84       |            |                 | $\exists$          |          | 1       | $\perp$       | 1         |                |            |               | 134        | $oxed{\Box}$ |           |          | 土       | 工         |                   |               |    |  |
|   |   | 35       | L          |            | 1      | $\Box$    | $\dashv$  | $\rightrightarrows$ | 4           | $\exists$ | Ţ        |           | 85       |            |                 | _                  | $\perp$  | 4       | 1             | 1         | <u> </u>       | :          |               | 135        |              | Н         | $\dashv$ | +       | +         | $\perp$           | -             | ļ  |  |
|   | -   | 36<br>37 | 十          | ╁┼         | ╁      | ╂╌╢       | 1         | +                   | ┨           |           | ᅡ        |           | 86<br>87 | ╁          | $\dashv$        | ᅱ                  | $\dashv$ | ╁       | +             | ╅         | $\vdash$       |            | <del> </del>  | 136<br>137 |              | $\vdash$  | $\dashv$ | +       | +-        | ╁┤                |               |    |  |
|   |   | 38       |            |            |        |           | コ         | コ                   |             |           |          |           | 88       |            |                 | $\Box$             | #        | 1       | ightharpoonup | 工         |                |            |               | 138        | Т            |           | $\Box$   | 1       | $\bot$    | $\Box$            |               |    |  |
|   | ·   | 39       | ╄          | $\vdash$   | +      | +         | 4         | 4                   | 4           | -         | 1        |           | 89<br>90 | -          | _               | -                  | 4        | +       | +             | 4         | ╀              |            | <u> </u>      | 139<br>140 |              |           | $\dashv$ | +       | +         | +                 |               |    |  |
|   | <del> </del>  | 40       | 十          | $\vdash +$ | +      | ╅┪        | _         | +                   | $\exists$   | -         | : }      |           | 91       |            | $\vdash$        | +                  | +        | +       | +             | +         | H              |            |               | 141        | I            | Н         | $\dashv$ | 士       | $\dagger$ | H                 |               | 1  |  |
|   |   | 42       |            | $\Box$     | 1      |           | $\exists$ | $\exists$           |             | ]         | 1        |           | 92       | $\Box$     |                 | $\Box$             | 4        | 1       | 1             | Ŧ         | $\Box$         |            |               | 142        | I            | $\Box$    | $\Box$   | 4       | Ţ         | $\Box$            | I             | ]  |  |
|   |   | 44       |            | ┝┼         | +      | ╅┥        | -         | $\dashv$            | 4           | #         | 1        |           | 93<br>94 | -          | $\vdash$        | +                  | -+       | +       | +             | +         | +              |            | -             | 143        |              | $\vdash$  | $\dashv$ | +       | +         | $oldsymbol{+}$    |               | 1  |  |
|   |   | 45       |            |            | 士      | 世         |           |                     | _           |           | :        |           | 95       |            |                 | 士                  | 士        | 1       | 土             | 土         | $\Box$         |            |               | 145        | L            |           | 二        | 士       | 士         | $\Box$            | 二二            | 1  |  |
|   |   | 46       |            | H          | $\bot$ | $\Box$    | $\dashv$  | $\dashv$            | 4           | 4         | -        |           | 96<br>97 | Щ          |                 | 4                  | $\bot$   | 4       | 4             | 1         | $\vdash$       |            |               | 146<br>147 |              | $\Box$    | 4        | 4       | +         | +                 |               | 1  |  |
|   | -   | 47       | ╁╴         | $\vdash$   | +      | ╁┤        | $\dashv$  | $\dashv$            | $\dashv$    | -         | ╬        |           | 98       | H          | $\dashv$        | +                  | ╅        | +       | 十             | +         | +-             |            | -             | 148        |              | Н         | +        | +       | ╁         | +                 |               | 1  |  |
|   |   | 49       |            | Ш          | 1      | $\Box$    | コ         | コ                   |             | ⇉         | ::[      |           | 99       |            |                 | $\sqsupset$        | $\Box$   | 1       | #             | I         | $\Box$         | : .        |               | 149        | Ι            | $\square$ | $\Box$   | 1       | Ţ         |                   | 1             | ]  |  |
|   | 1   | 50       | 1          |            |        | $\perp$   | $\Box$    | $\perp$             | $\perp$     |           | ∷Ľ       |           | 100      |            |                 | $oldsymbol{\perp}$ |          | $\perp$ | $\perp$       |           | 1              | :          | L             | 150        |              |           | $\Box L$ | ┸       |           | ш                 |               | j  |  |